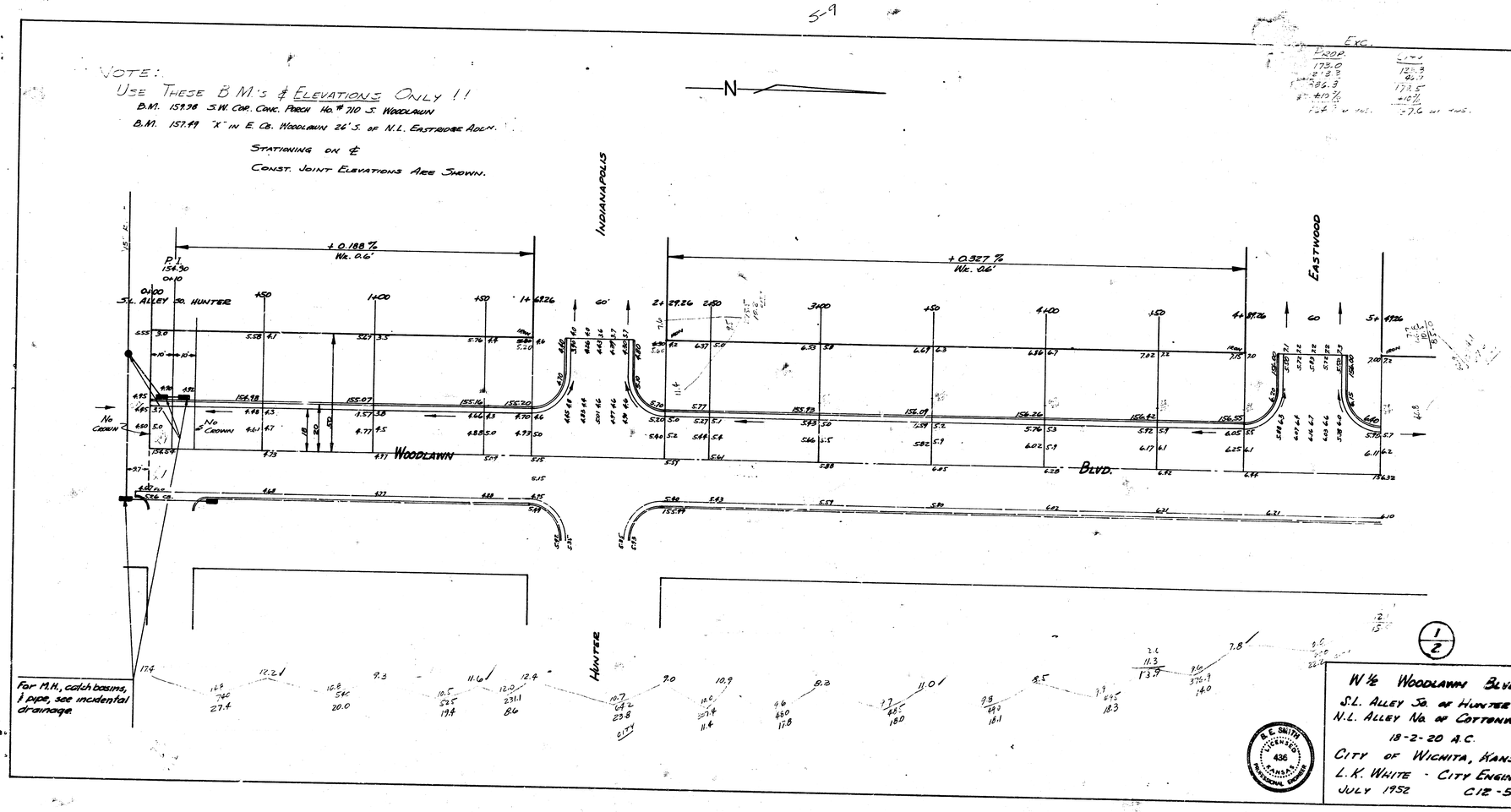
5-9

NOTE:
USE THESE B.M.'s & ELEVATIONS ONLY !!
B.M. 159.36 S.W. COR. CONC. PORCH HO.# 710 S. WOODLAWN
B.M. 157.99 "X" IN E. CB. WOODLAWN 26' S. OF N.L. EASTRIDGE ADD'N.

STATIONING ON ℄
CONST. JOINT ELEVATIONS ARE SHOWN.



EXC.

PROP.	CITY
173.0	173.9
172.3	172.7
182.3	182.7
+1.0%	+1.0%
172.3 + 10 FT.	172.7 + 10 FT.

B.E. SMITH LICENSED 436 KANSAS PROFESSIONAL ENGINEER

1/2

W ½ WOODLAWN BLVD.
S.L. ALLEY SO. OF HUNTER TO
N.L. ALLEY NO. OF COTTONWOOD
18-2-20 A.C.
CITY OF WICHITA, KANSAS
L.K. WHITE - CITY ENGINEER
JULY 1952 C12-50

B.M. 159.38 S.W. Cor. Conc. Porch No. #710 S. Woodlawn
B.M. 157.49 "X" in E. Cb. Woodlawn 26' So. of N.L. Eastridge Addn.

N

EASTWOOD

WOODLAWN

BLVD.

ORME

COTTONWOOD

-0.310%
Wa. 0.6'

+0.450%

+0.521%
Wa. 0.6'

P.I. 155.70 50' V.C.

P.C.

P.T.

1.72 E 5'x4' Conc. Culv.

Install 1-5 Cb. Make low point in V.G.

Item below included in incidental drainage.
Install 15" R.C.P. & ditch necessary to drain area west. No headwall on new pipe. Remove headwall on existing pipe.

Existing conc. headwall

Meet Existing Pavt.

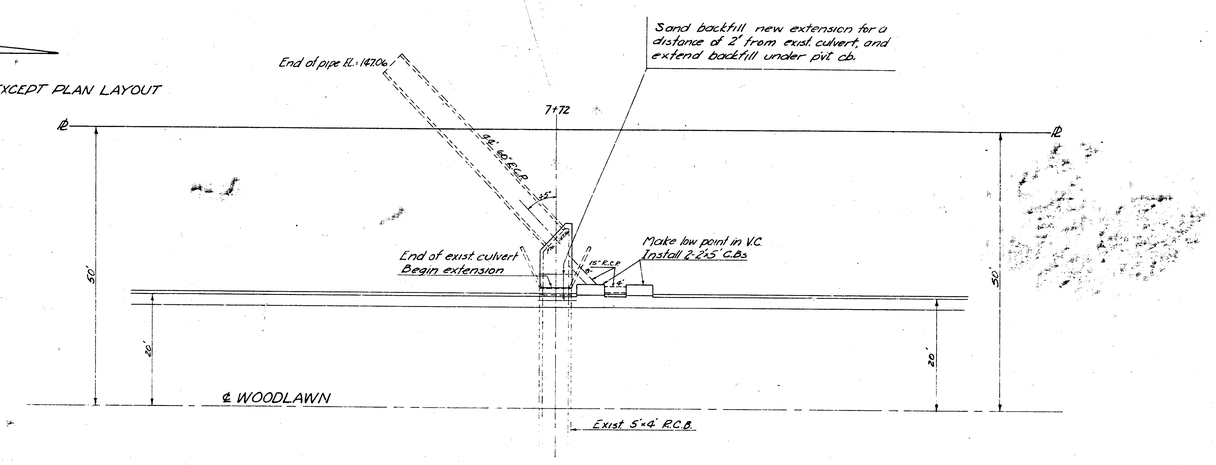
N.L. ALLEY No. of COTTONWOOD

2/2

REINFORCED CONCRETE BOX EXTENSION

W.S. WOODLAWN

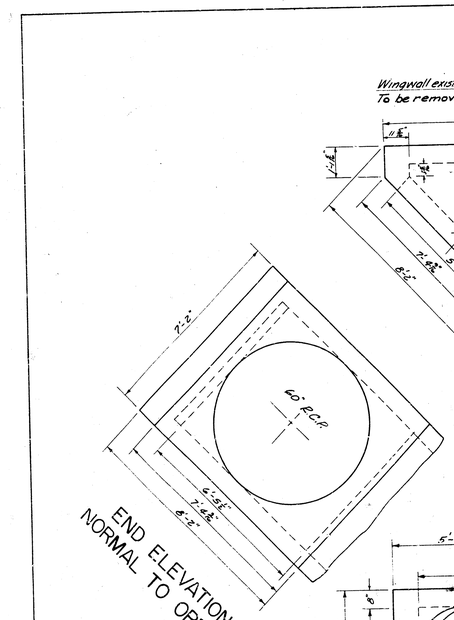
SCALE: 1"=2'-0" ALL VIEWS EXCEPT PLAN LAYOUT



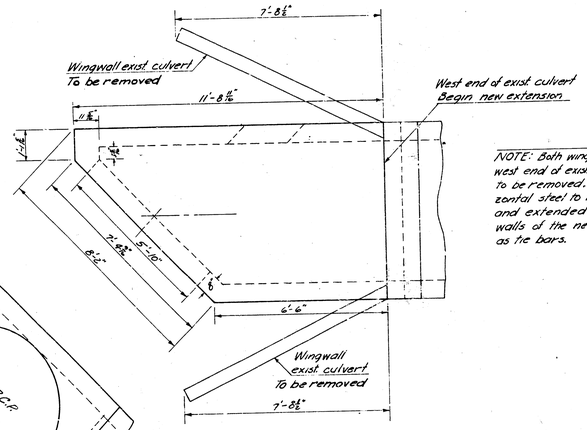
PLAN LAYOUT

SCALE: 1"=10'

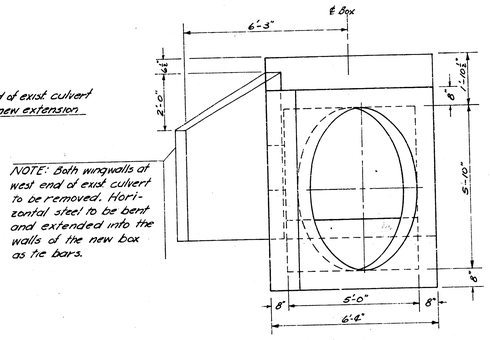
INCIDENTAL DRAINAGE
WOODLAWN BLVD.
PROJ. C12-50



END ELEVATION NORMAL TO OPENING

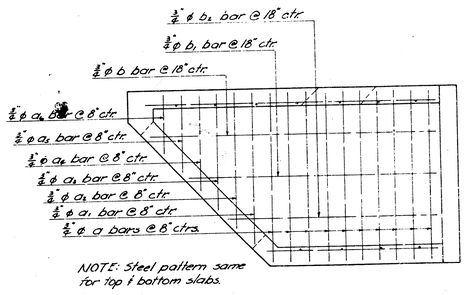


PLAN VIEW



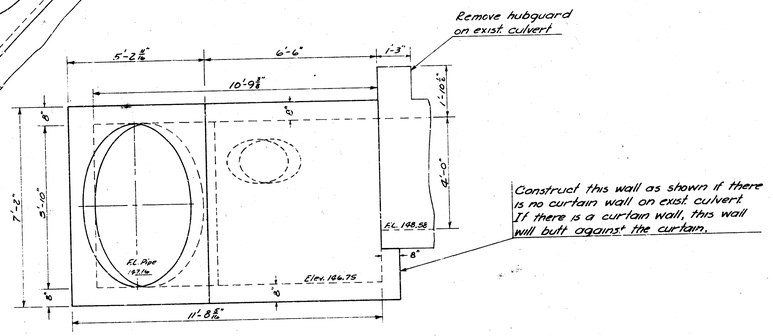
NOTE: Both wingwalls at west end of exist. culvert to be removed. Horizontal steel to be bent and extended into the walls of the new box as the bars.

END ELEVATION



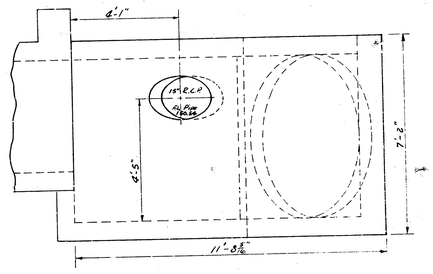
NOTE: Steel pattern same for top & bottom slabs.

LONGITUDINAL SECTION OF TOP

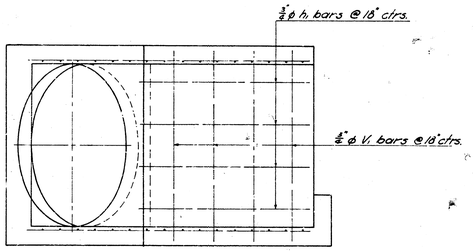


Construct this wall as shown if there is no curtain wall on exist. culvert. If there is a curtain wall, this wall will butt against the curtain.

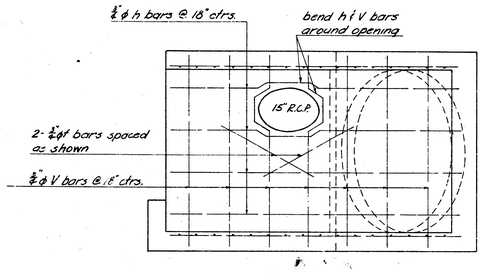
SIDE ELEVATION



SIDE ELEVATION



LONGITUDINAL SECTION SHORT SIDE

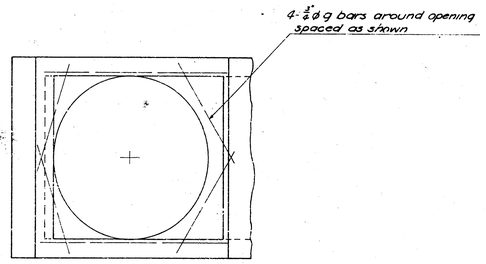


LONGITUDINAL SECTION LONG SIDE

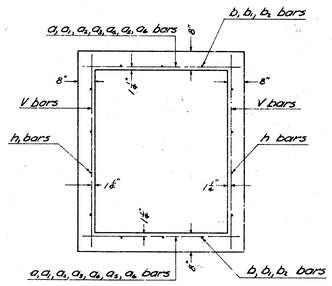
STEEL SCHEDULE				
BAR	SIZE	NO.	LENGTH	SHAPE
a	$\frac{3}{4}\phi$	20	6'-7"	——
a_1	"	2	5'-5"	——
a_2	"	2	4'-9"	——
a_3	"	2	4'-1"	——
a_4	"	2	3'-5"	——
a_5	"	2	2'-9"	——
a_6	"	2	2'-1"	——
b	"	2	10'-10"	——
b_1	"	2	9'-6"	——
b_2	"	2	7'-10"	——
f	"	2	4'-0"	——
g	"	4	4'-2"	——
h	"	6	11'-0"	——
h_1	"	4	6'-6"	——
V	$\frac{3}{4}\phi$	11	6'-8"	——

BILL OF MATERIALS		
ITEM	QUANTITY	UNITS
Class A Concrete	7.5	cu. yds.
General Excavation	42.0	cu. yds.
Sand Backfill	10.0	Tons
Reinforcing Steel	587.0	Lbs.
Catch Basins	2	Complete
15" R.C.P.	12	Lin. Ft.
60" R.C.P.	44	Lin. Ft.
Removal Hubguard & Wingwalls		

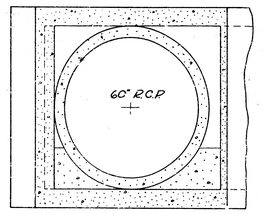
NOTE: Excavation to extend 4' each side & 3' from end of box extension, and 3' each side for a distance of 3' back of the headwall of exist. box. Payment will be made only for this quantity of dirt removal, or actual amount removed if less than the maximum quantity of removal allowed.



SECTION NORMAL TO OPENING



END SECTION OF BOX



CROSS SECTION AT OPENING

NOTE: Shape floor of box with unreinforced concrete from F.L. of exist. box to shape of pipe at pipe entrance.

No additions in concrete quantities shall be made for shaping floor of the box.

No deductions in concrete quantities shall be made for pipe openings.